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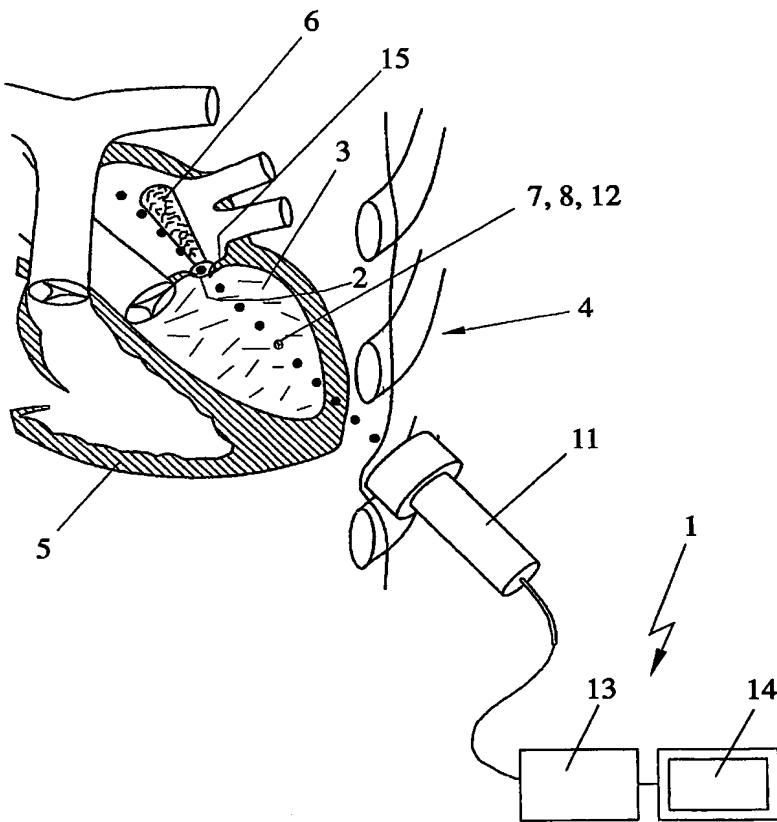
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(54) Title: METHOD AND DEVICE FOR ULTRASOUND MEASUREMENT OF BLOOD FLOW



(57) Abstract: A method and a device

(1) for ultrasound measurement of the blood flow through a heart valve are proposed. To permit a simple, automated measurement, it is proposed that the measurement area (9) of a measurement beam (7) is moved three-dimensionally by means of a multi-array transducer (11) and continuously evaluated for characteristic Doppler signals. It is further proposed to evaluate several measurement beams (7) with offset spatial, partially overlapping measurement areas (9) and/or several reference beams (8) with offset spatial measurement areas (10) for determination of the opening surface area, the volumetric flow rate, the flow volume and/or a value proportional thereto.



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